

LIST OF DOCUMENTS CITED BY APPLICANTS

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ATTY. DOCKET NO. 7070

SERIAL NO. 09/09/646,984

APPLICANT Rubingh et al.

FILING DATE 9/25/2000

GROUP 1635 1652

U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
WJW	01	4,179,337	12/18/79	Davis et al.	435	181	
	02	4,248,786	02/03/81	Batz et al.	260	326	
	03	4,266,031	05/05/81	Tang et al.	435	188	
	04	4,556,554	12/03/85	Calvo	424	70	
	05	4,732,863	03/22/88	Tomasi et al.	436	547	
	06	4,760,025	07/26/88	Estell et al.	435	222	
	07	4,980,288	12/25/90	Bryan et al.	435	222	
	08	5,122,614	06/16/92	Zalipsky	548	520	
	09	5,133,968	07/28/92	Nakayama et al.	424	401	
	10	5,208,158	05/04/93	Bech et al.	435	219	
	11	5,230,891	07/27/93	Nakayama et al.	424	401	
	12	5,324,844	06/28/94	Zalipsky	548	520	
	13	5,414,135	05/09/95	Snow et al.	568/29	568/30	
	14	5,446,090	08/29/95	Harris	525	54	
	15	5,631,322	05/20/97	Veronese et al.	525	54.1	
	16	5,658,871	08/19/97	Batenburg et al.	252	174.12	
WJW	17	5,856,451	01/05/99	Olsen et al.	530	402	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
WJW	18	EP 0 215,662	03/25/87	EPO	A 61 K	37/54	
	19	EP 0 398 539	11/22/90	EPO	C12N	9/54	
	20	EP 0 405 901	01/02/91	EPO	C11D	3/386	
	21	EP 0 516,200	12/02/92	EPO	C11D	3/386	
	22	EP 0 584,876	03/02/94	EPO	A 61 K	47/48	
	23	EP 0 816,381	01/07/98	EPO	C07K	17/08	
	24	WO 87/05050	08/27/87	PCT	C12Q	1/68	
	25	WO 88/08028	10/20/88	PCT	C12N	15/00	
	26	WO 92/10755	06/25/92	PCT	G01N	33/53	
	27	WO 93/15189	08/05/93	PCT	C12N	9/96	
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	29	WO 93/19732	10/14/93	PCT	A61K	7/48	
	30	WO 94/04193	03/03/94	PCT	A61K	47/48	
	31	WO 94/06905	03/31/94	PCT	C12N	9/54	X
	32	WO 95/07991	03/23/95	PCT	C12N	15/57	
	33	WO 95/10615	04/20/95	PCT	C12N	15/57	
	34	WO 95/29979	11/09/95	PCT	C11D	3/386	
	35	WO 95/30010	11/09/95	PCT	C12N	15/57	
	36	WO 96/09396	03/28/96	PCT	C12N	15/57	
	37	WO 96/16177	05/30/96	PCT	C12N	15/62	
	38	WO 96/17929	06/13/96	PCT	C12N	9/96	
	39	WO 96/40791	12/19/96	PCT	C07K	17/08	
	40	WO 96/40792	12/19/96	PCT	C07K	17/08	
	41	WO 97/07770	03/06/97	PCT	A61K	7/48	X
	42	WO 97/24421	07/10/97	PCT	C11D		
	43	WO 97/24427	07/10/97	PCT	C11D	3/386	
	44	WO 97/30148	08/21/97	PCT	C12N	9/96	
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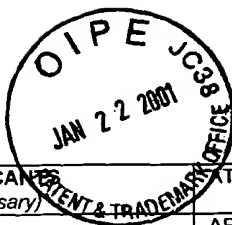
EXAMINER

William W. Moore

DATE CONSIDERED

15 October 2000

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Sheet 2 of 3

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APPLICANT Rubingh et al.		
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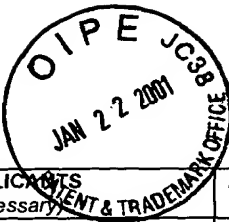
FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
<i>uwm</i>	46	WO 98/30682	07/16/98	PCT	C12N	9/96	
	47	WO 98/35026	08/13/98	PCT	C12N	9/96	
	48	WO 99/00489	01/07/99	PCT	C12N	9/96	

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<i>uwm</i>	49	Arlian, L.G. et al., "Antigenic and Allergenic Characteristics of the Enzymes Alcalase and Savinase by Crossed Immunoelectrophoresis and Crossed Radioimmuno-electrophoresis", INT. ARCH. ALLERGY. APPL. IMMUNOL., Vol. 91, pp. 278-284 (1990).
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	52	Bungy Poor Fard, G.A. et al., "T Cell Epitopes of the Major Fraction of Rye Grass Lolium Perenne (lol p I) Defined Using Overlapping Peptides in Vitro and In Vivo. I. Isoallergen Clone 1A", CLIN. EXP. IMMUNOL., Vol. 94, pp. 111-116 (1993).
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	67	Nucci, M.L. et al., "The Therapeutic Value of Poly(ethylene glycol)-modified Proteins", ADVANCED DRUG DELIVERY REVIEWS, Vol. 6, pp. 133-149 (1991).
<i>uwm</i>	68	Ohta, M. et al., "Preparation of a Dextran-Protease Conjugate and its Application to Cosmetic Use", KANEBO, LTD., Cosmetics & Toiletries® Magazine, Vol. 111, (1996).
EXAMINER	<i>W. J. M. Moore</i>	DATE CONSIDERED <i>15 Oct 2000</i>
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	APPLICANT Rubingh et al.	
	FILING DATE 9/25/2000	GROUP 1633 1652

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

↑	69	Reay, P.A. et al., "Use of Global Amino Acid Replacements to Define the Requirements for MHC Binding and T Cell Recognition of Moth Cytochrome c (93-103)", JOURNAL OF Immunology, Vol. 152, NO. 8, pp. 3946-3957 (1994).
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↓	74	Walsh, B.J. and M.E.H. Howden, "A Method for the Detection of IgE Binding Sequences of Allergens Based on a Modification of Epitope Mapping", JOURNAL OF IMMUNOLOGICAL METHODS, Vol. 121, pp. 275 - 280 (1989).
↓	75	Wells, J. A., et al., "Recruitment of Substrate-Specificity Properties From One Enzyme into a Related One by Protein Engineering", PROC. NATL. ACAD. SCI. USA, Vol. 84, pp. 5167-5171 (Aug 1987).
EXAMINER <i>William W. How</i>		DATE CONSIDERED <i>15 October 2002</i>
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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SHEET 1 of 1

Application Number	09/646,984
Confirmation Number	Unknown
Filing Date	9/25/2000
First Named Inventor	D. N. Rubingh
Group Art Unit	1633 1682
Examiner Name	Not Assigned
Attorney Docket Number	7070

U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	U.S. PATENT DOCUMENT Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
Worm	01	5,543,302		Boguslawski et al.	08/06/96	

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EXAMINER INITIALS*	Cite No. ¹	FOREIGN PATENT DOCUMENT Office ³	Number ⁴	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
Worm	02	DE	2 206 826		Schering AG	08/16/73		
Worm	03	EP	0 471 125	A1	Kanebo, Ltd.	12/19/92		
Worm	04	EP	0 405 901	A	Unilever PLC	01/02/91	duplicate	
Worm	05	WO	87/04461	A1	Amgen Inc.	07/30/87		
	06	WO	88/08033	A1	Amgen Inc.	10/20/88		
	07	WO	88/08165	A1	Genex Corp.	10/20/88		
	08	WO	96/09396	A1	Univ of Maryland	03/28/96		
	09	WO	98/23732	A2	Genencor Int'l, Inc.	06/04/98		
	10	WO	99/37324	A1	Genencor Int'l, Inc.	07/29/99		
	11	WO	99/48918	A1	Procter & Gamble	09/30/99		
	12	WO	99/49056	A1	Procter & Gamble	09/30/99		
	13	WO	00/28007	A2	Genencor Int'l, Inc.	05/18/00		
Worm	14	WO	00/37658	A2	Genencor Int'l, Inc.	06/29/00		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
Worm	15	Gundlach, B.R., et al., "Determination of T Cell Epitopes with Random Peptide Libraries", Journal of Immunological Methods , Vol. 192, pp. 149-155 (1996).	
Worm	16	Siezen, R.J., et al., "Subtilases: The Superfamily of Subtilisin-like Serine Proteases", Protein Science , Vol. 6, No. 3, pp 501-523 (1997).	
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uwn	01	5,766,898	A	Loeburg	06/16/1998	
uwn	02	5,972,339	A	Walker	10/26/1999	
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uwn	04	EP 0 130 756	A1	Genetech, Inc.	01/09/1985		
uwn	05	EP 0 260 105	B1	Genencor, Inc.	03/16/1988		
	06	EP 0 398 539	B1	Amgen Inc.	11/22/1990	duplicate	
	07	WO 87/05060	A1	Genex Corp.	08/27/1987	duplicate	
uwn	08	WO 88/07578	A1	Genentech, Inc.	10/06/1988		
	09	WO 88/08028	A1	Genex Corp.	10/20/1988	duplicate	
uwn	10	WO 88/08164	A1	Genex Corp.	10/20/1988		
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uwn	13	WO 95/20039	A2	Carlsberg A/S	07/27/1995		
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uwn	20	WO 00/09707	A1	Genencor Int'l., Inc.	02/24/2000		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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uwn	21	Atassi, M.Z., et al., "Structure, Activity, and Immune (T and B Cell) Recognition of Botulinum Neurotoxins", Critical Reviews in Immunology , Vol. 19, pp. 219-260 (1999)	
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↑	28	Hoyne, G. F., et al., "Peptide-Mediated Regulation of the Allergic Immune Response", Immunology and Cell Biology , Vol. 74, pp. 180-186 (1996)	
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	32	McKee, H. J., et al., "T Cell Cytokine Responses to Cartilage Aggrecan in BALB/c Mice", Biochemical Society Transactions , Vol. 25, p 311S (1997)	
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